54/7411 011025
54H/74H11 011132
54S/74S11 011633
54LS/74LS11 011131

TRIPLE 3-INPUT AND GATE

CONNECTION DIAGRAMS
PINOUT A
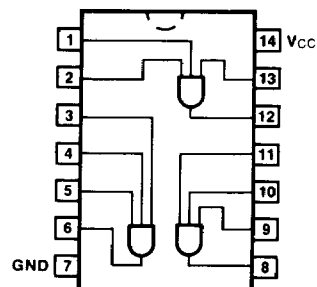
ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE V_{CC} = +5.0 V ±5%, T_A = 0°C to +70°C	MILITARY GRADE V_{CC} = +5.0 V ±10%, T_A = -55°C to +125°C	PKG TYPE
Plastic DIP (P)	A	7411PC, 74H11PC 74S11PC, 74LS11PC		9A
Ceramic DIP (D)	A	7411DC, 74H11DC 74S11DC, 74LS11DC	5411DM, 54H11DM 54S11DM, 54LS11DM	6A
Flatpak (F)	A	74S11FC, 74LS11FC	54S11FM, 54LS11FM	3I
	B	7411FC, 74H11FC	5411FM, 54H11FM	

PINOUT B
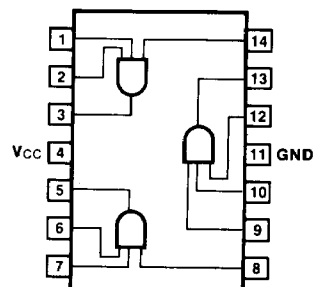
INPUT LOADING/FAN-OUT: See Section 3 for U.L definitions

PINS	54/74 (U.L.) HIGH/LOW	54/74H (U.L.) HIGH/LOW	54/74S (U.L.) HIGH/LOW	54/74LS (U.L.) HIGH/LOW
Inputs	1.0/1.0	1.25/1.25	1.25/1.25	0.5/0.25
Outputs	20/10	12.5/12.5	25/12.5	10/5.0 (2.5)

DC AND AC CHARACTERISTICS: See Section 3*

SYMBOL	PARAMETER	54/74 Min Max	54/74H Min Max	54/74S Min Max	54/74LS Min Max	UNITS	CONDITIONS
I_{CCH}	Power Supply	15	30	24	3.6	mA	V_{IN} = Open V_{CC} = Max
I_{CCL}	Current	24	48	42	6.6		V_{IN} = Gnd
t_{PLH}	Propagation Delay	27	12	2.5 7.0	13	ns	Figs. 3-1, 3-5
t_{PHL}		19	12	2.5 7.5	11		

*DC limits apply over operating temperature range; AC limits apply at T_A = +25°C and V_{CC} = +5.0 V.